Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of August 2006. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of August 2006.

Communicable Diseases

In total, there were **472** new infections occurring across 27 communicable diseases** (excluding sexually transmitted infections and HIV) in August 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Verotoxin producing E. coli (51 cases observed; expected range 0-18 cases), Leprosy (1 case observed; expect 0 cases), Methicillin Resistant Staphylococcus Aureus (183 cases observed; expected range 0-152 cases), Necrotizing Fasciitis (2 cases observed; expected range 0-1 cases), Pneumococcal Septicemia (12 case observed; expected range 0-10 cases), and Schistosomiasis (1 case observed; expect 0 cases). The expected number of cases and accompanying range is based on the number of cases during July, August, and September 2001-2005. The greater-than-expected numbers of E. coli are in part due to an outbreak suspected to be related to the distribution, handling, and consumption of meat that may have been contaminated.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **515** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in August: 363 cases of chlamydia (Ct), 112 cases of gonorrhoea (GC), 32 GC-Ct co-infections, and 8 cases of syphilis. More than 60% of all GC and Ct cases in the province were reported among young adults between the ages of 15 and 24 years. More than half of all GC and Ct cases (54%) were reported for individuals living in the Winnipeg health region, and an additional 17% were from the Burntwood health region.

In August 32 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. Half of the cases were in the 30-49 year age groups, mostly among males. Seven Manitobans, mostly males, tested positive for HIV in August 2006.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR August 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	4		2	0-5	25	25
022	ANTHRAX		1		***		1
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0	1	
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			1	0-6	1	4
008.43	CAMPYLOBACTER	37	28	28	19-37	190	144
558.2	CLOSTRIDIUM DIFFICILE	118	79		***	487	780
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	5	2	8	0-27	16	12
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP			1	0-3	2	3
008.0	E. COLI-VEROTOXIGENIC	7	51	9	0-18	30	113
054.3	ENCEPHALITIS			0	0-0		1
005.9	FOOD POISONING OTHER			1	0-3		1
007.1	GIARDIA LAMBLIA	19	16	17	7-27	82	81
041.5	H.I.B.-NON MTGS			0	0-1	2	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A		1	1	0-3	16	11
070.3	HEPATITIS B		2	1	0-3	5	6
070.51	HEPATITIS C	31	32	39	15-63	282	199
054.8	HERPES-W-UNSPEC COMPL			0	0-1		5
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-0	2	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY		1	0	0-0		2
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	4	3
088.81	LYME DISEASE	2		0	0-1	6	1
084	MALARIA			1	0-3	5	12
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-0	2	
B95.6	MRSA	121	183	67	0-152	764	1020
072.9	MUMPS	3		1	0-3	7	1
036.89	N.MENINGITIDIS OTHER			0	0-1	2	2
728.86	NECROTIZING FASCIITIS	1	2	0	0-1	6	13
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***	1	
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	3	1	5	0-12	26	7
038.2	PNEUM. SEPTICEMIA	4	12	5	0-10	58	59

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3	13	4
003.0	SALMONELLA	18	17	16	9-23	107	103
120	SCHISTOSOMIASIS		1	0	0-0		1
004	SHIGELLOSIS		3	1	0-4	6	9
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	2	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	3	
127.2	STRONGYLOIDES	1		0	0-1	3	3
037	TETANUS		1	0	0-1		1
130.9	TOXOPLASMOSIS			2	0-7		1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	5		3	0-9	20	18
011	TUBERCULOSIS - RESP.	5	4	6	0-14	58	54
010	TUBERCULOSIS-PRIM.	3		1	0-4	8	13
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	4	1		***	29	27
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1	5	1	0-5	1	8
047.1	VIRAL MENINGITIS-ECHO	11		6	0-12	17	7
047.8	VIRAL MENINGITIS-ENTERO	3	1		***	12	4
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION	3	1		***	3	2
198	WNV NEUROLOGICAL SYNDROME	8	4		***	10	11
197	WNV NON-NEUROLOGICAL SYND	27	11		***	39	19
066.3	WNV UNCLASSIFIED	1	9		***	1	9
008.44	YERSINIA ENTEROCOLITICA	1	3	1	0-3	9	11
		447	**472**			**2368**	**2818**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR August 2006

		<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
022	ANTHRAX								1																				1
008.43	CAMPYLOBACTER		2	2		1	1		1		3	2	1	2		1	2	2	1		3	2	1		1				28
558.2	CLOSTRIDIUM DIFFICILE	1		1								1	1			4	1	3	3	3	1	4	7	16	6	11	16		79
007.8	CRYPTOSPORIDIOSIS				1	1																							2
008.0	E. COLI 0157	1	1	1	1	1	1	2	4	1	5	4	3	1	1	1	5	3	5	4	1	2	1	1		1			51
007.1	GIARDIA LAMBLIA			1	1	1	2		3		1	1		1		1	2		1			1							16
070.1	HEPATITIS A																									1			1
070.3	HEPATITIS B										1		1																2
070.51	HEPATITIS C											2		1	3	4	3	1	8	3	3	1	1					2	32
030.9	LEPROSY																									1			1
B95.6	MRSA	5	4	2	2	9	9	9	14	5	8	3	6	6	5	7	10	9	3	5	7	2	5	10	11	15	11	1	183
728.86	NECROTIZING FASCIITIS											1										1							2
033.0	PERTUSSIS																		1										1
003.0	SALMONELLA		1							2	1	1			1	2	1	2		1	1		2		1		1		17
120	SCHISTOSOMIASIS																1												1
004	SHIGELLOSIS															1	1			1									3
038.2	STREP.PNEUMOCOCCAL SEPTIC	2	2													1	1		2	1		1	1			1			12
038.0	STREPTOCOCCAL SEPTICEMIA														1														1
037	TETANUS															1													1
011	TUBERCULOSIS - RESP.																3	1											4
B96.8	VANCOMYCIN RES. ENTER.										1																		1
047.0	VIRAL MENINGITIS-COXSACK	2	1			1			1																				5
047.8	VIRAL MENINGITIS-ENTERO						1																						1
196	WNV Asymptomatic Infectio											1									1								2
198	WNV Neurological Syndrome															1		2	2		2	1			2		1		11
197	WNV Non-Neurological Synd												1			1	2	1	3	3	4		1	1	1	1			19

ICD9	Disease Name	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
066.3	WNV Unclassified												1					3	2		1		1	1					9
008.44	YERSINIA ENTEROCOLITICA															1		1	1										3
		11	11	7	5	14	14	11	24	8	20	16	14	11	11	26	32	28	32	21	24	15	20	29	22	31	29		489

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR August 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
022	ANTHRAX						1																1
008.43	CAMPYLOBACTER	14	2				3				4		2		1			1	1				28
558.2	CLOSTRIDIUM DIFFICILE	50	4		4		2		2		8		5		1		1	2					79
007.8	CRYPTOSPORIDIOSIS	1									1												2
008.0	E. COLI 0157	40				1	5				2		3										51
007.1	GIARDIA LAMBLIA	9	1		1						2		1		1					1			16
070.1	HEPATITIS A	1																					1
070.3	HEPATITIS B	1																			1		2
070.51	HEPATITIS C	19	2		1		2	4	1		3												32
030.9	LEPROSY	1																					1
B95.6	MRSA	63	6	1	1		1	1	3		4		2		6	6	12	57	19			1	183
728.86	NECROTIZING FASCIITIS												1					1					2
033.0	PERTUSSIS						1																1
003.0	SALMONELLA	7	1				2		1		2		2		1			1					17
120	SCHISTOSOMIASIS	1																					1
004	SHIGELLOSIS	3																					3
038.2	STREP.PNEUMOCOCCAL SEPTIC	4									1		1			1	3	2					12
038.0	STREPTOCOCCAL SEPTICEMIA		1																				1
037	TETANUS	1																					1
011	TUBERCULOSIS - RESP.	1																3					4
B96.8	VANCOMYCIN RES. ENTER.	1																					1
047.0	VIRAL MENINGITIS-COXSACK	2	1				1														1		5
047.8	VIRAL MENINGITIS-ENTERO						1																1
196	WNV Asymptomatic Infectio				1				1														2
198	WNV Neurological Syndrome	4			1				5		1												11
197	WNV Non-Neurological Synd	4					2		2		8		3										19
066.3	WNV Unclassified	5					1				1		2										9
008.44	YERSINIA ENTEROCOLITICA	3																					3

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
		235	18	1	9	1	22	5	15		37		22		10	7	16	67	20	1	2	1	489
Missing Investigation Forms (Jan.1 to end of July)		144	4	1	5		9	2	4	1	3		7		1	1		4	3		2		191

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - August 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	318	395	2610	2780
All Gonorrhea Infections (including PRNG)	104	144	657	1087
All Syphilis Infections	4	8	52	39
Gonorrhea & Chlamydia Co-infections	45	32	295	334
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	7	75	58

Total Number of STD Cases by Age and Gender - August 2006

	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases					1		5	2	73	34	84	46	36	26	19	19	3	11	1	3								363
Gonorrhea Only Cases					1		2		12	16	16	12	9	14	6	10	4	8		2								112
Syphilis Only Cases									1					1		2		2		1		1						8
GC and CT Cases							1		8	2	6	3	3	4	2	3												32
					2		8	2	94	52	106	61	48	45	27	34	7	21	1	6		1						515
HIV															1	2		3		1								7

Regional STD Distribution - August 2006

Disease/Infection	**Winnipeg**	**Brandon**	**N.Eastman**		**S.Eastman**		**Interlake**		**Central**		**Assiniboine**		**Parkland**		**Norman**		**Burntwood**		**Churchill**	**OOP**	**Missing**	**TOTAL**
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	205	24	8	10		5	5	9		26		7	4	7	2	12	49	21		1		395
All Gonorrhea Infections	84	2	5	6		1	1	1		6				2	1	7	17	9		1	1	144
All Syphilis Infections	8																					8
GC and CT Infections	15					1		1		2				1	1	3	6	2				32

Missing Investigation Forms (Jan.1 to end of July)	95	7	5	4		7	7	7		7		3		1	20	14	77	7		2		263

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction